0051999

Environmental Restoration Contractor

ERC Team

Interoffice Memorandum

TO:

C. D. Wittreich, H9-12

DATE:

January 9, 1996

Job No. 22192

Written Response Required? NO Closes CCN: N/A OU: 200-UP-1 TSD: N/A ERA: N/A Subject Code: 8630

45094

COPIES:

See Below

FROM:

Duane Jacques

Analytical Services/Field Services

H9-10/372-9400

SUBJECT: 200-UP-1 IRM IMPLEMENTATION SAMPLING, MONTHLY GROUNDWATER

RESULTS, DECEMBER 1995, REV 0

REFERENCES:

- 1. BHI, 1995a, Field Screening (On-Site Measurements) Quality Assurance Plan, BHI-EE-08, Bechtel Hanford, Inc., Richland, Washington.
- 2. BHI, 1995b, Field Screening Procedures, BHI-EE-05, Bechtel Hanford, Inc., Richland, Washington.
- 3. BHI, 1995, 200-UP-1 Field Screening Support Logbook, EL-1277, Bechtel Hanford, Inc., Richland, Washington.
- 4. ChemChek, 1994, Operation and Service Manual, Kinetic Phosphorescence Analyzer KPA-11, ChemChek Instruments, Inc., Richland, Washington.

This data package contains field screening results for groundwater samples analyzed to support the 200-UP-1 IRM Implementation Sampling program. The Quality Assurance level for this work corresponds to QA-2 as specified in reference 1 (BHI 1995a). The samples were managed under SAF B96-003.

Attachment 1 contains Volatile Organic Compound (VOC) and total uranium results for groundwater samples collected to support the referenced project. The VOC results were generated using a Photovac 10S Plus portable gas chromatograph in accordance with Field Screening Procedure (FSP) 1.1, Aqueous Headspace Analysis of Volatile Organic Compounds in Water (BHI 1995b). Information concerning operation of the gas chromatograph is contained in the instrument logbook EL-1269.

The total uranium results were generated using a ChemChek KPA-11a Kinetic Phosphorescence Analyzer. The KPA-11a was calibrated and operated in accordance with the instrument operating manual (ChemChek 1994). Information concerning use of the ChemChek KPA-11a as well as preparation of VOC calibration standards and samples is contained in the referenced field logbook EL-1277, pages 49 through 51.

C. D. Wittreich, H9-12 Page 2

Please contact me if you have any questions on this information.

Duane Jacques, Scientist

QA Review by: Paul E Duerlesen

IDJ:idj

Attachments: Attachment 1. 200-UP-1 IRM Implementation Sampling, Monthly Groundwater

Results, December 1995

Attachment 2. Sample Chain of Custody Sheets

Copies:

Analytical Services Project Files, X2-10, w/a

C. W. Denslow, H9-02, w/attachment 1 only

A. Hopkins, H9-11, w/attachment 1 only

J. A. Lerch, B1-35, w/a

D. A. Myers, H9-11, w/attachment 1 only

R. O. Mahood, H9-11, w/attachment 1 only

W. S. Thompson, N1-28, w/attachment 1 only

IDJ - File, w/attachment 1 only

BHI Document Control, H4-79, w/a

200-UP-1 IRM Implementation Sampling Monthly Groundwater Results, December 1995 SAF B96-003

| Sample | HEIS | Sample | Analysis | Chloroform | Carbon TetraCl | TCE | Uranium |
|------------|--------|----------|----------|------------|----------------|--------|---------|
| Location | Number | Date | Date | (μg/L) | (µg/L) | (µg/L) | (μg/L) |
| 299-W19-20 | BOGZT4 | 1/2/96 | 1/3/96 | NA | NA | NA | 640 |
| 299-W19-20 | BOGZT2 | 1/2/96 | 1/3/96 | 4.6 | 120 | 8.2 | NA |
| 299-W19-23 | BOGZT6 | 1/2/96 | 1/3/96 | NA | NA | NA. | 700 |
| 299-W19-23 | BOGZT5 | 1/2/96 | 1/3/96 | 5.9 | 180 | 3.3 | NA |
| 299-W19-24 | BOGZT8 | 1/2/96 | 1/3/96 | NA | NA | NA | 2650 |
| 299-W19-24 | BOGZT7 | 1/2/96 | 1/3/96 | 5.6 | 130 | 5.0 | NA |
| 299-W19-37 | BOGZB6 | 12/29/95 | 1/3/96 | NA | NA | NA | 3920 |
| 299-W19-37 | BOGZB7 | 12/29/95 | 1/3/96 | 6.4 | 270 | 5.2 | NA |
| Trip Blank | BOGZC3 | 12/29/95 | 1/3/96 | <4.0 | < 2.0 | <2.0 | NA |
| Trip Blank | BOGZT3 | 1/2/96 | 1/3/96 | <4.0 | < 2.0 | <2.0 | NA |

NA - Not Analyzed

u - Value less than practical quantitation limit

VOA Instrument: Photovac 10S Plus GC, Serial # BJDG203 Method: 5 mL/min HP Air, 11.7 eV lamp, 250 uL injection Logbook: Photovac Instrument Log, EL-1269, pg 10

Uranium Instrument: ChemChek KPA-11a, Serial # 9445050065

Method: Kinetic Phosphorescence

Logbook: 200-UP-1 Project Log, EL-1277, pgs 50 - 51

Uranium/ VOA Analyst:

1. D. Jacques

| Bechtel Hanford, Inc | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | | | | | | 1 | | |
|---------------------------------------------------------|--------------|------------------------------------------|------------------------------------|---------------|------------|----------------------|-------------|-------------------------|---------------|--------------------------------|----------------------------------------|--------------------------------------------------------|-----------------------|--|--|
| Ollector A. Kizze / | B. KCNI | × 72 < | Company Contact C. D. Wittreich | | | | | Telephone (509) 372 | | | | Priority Normal | | | |
| 'roject Designation '00-UP-1 IRM Implementat | | | Sampling Location 200 West | | | | | SAF No. B96-003 | | | | | - | | |
| ce Chest No. | | | Field Logbook No. | 35 | | , _{ver} , , | | Method of Hand Deliv | /ered | red | | | | | |
| ihipped To Juane Jacques | | | Offsite Property No. | | | | | NA Ladi | ng/Air Bill I | No. | | | : | | |
| ossible Sample Hazards/R | emarks | | Preservation | нсі | | | | | | | | | | | |
| | | | Type of Container | Gs | | | | | | | | | i | | |
| | | | No. of Container(s) | 1 | | | | | | | <u> </u> | | | | |
| Special Handling and/or Sto Maintain samples between | | | Volume | 40mL VOA - | | | | | | | | | | | |
| SAI | MPLE ANALYSI | 3 | | TCL | | | | | | | | | | | |
| Sample No. | Matrix * | Date Sampled | Time Sampled | | <u> </u> | | To November | | | <u> </u> | <u> </u> | L Norman of the sec Posts Address S |] .5-5.56 | | |
| 294. 6.14.23 30 G ZT2 | w | 1 2.96 | 1345 | P | | | | | | | | | | | |
| 30 GZT3 | W | 1.3.76 | C) 73c | ¥ | - Tr | o Blan | | | | | | | | | |
| | <u>,-</u> | | | | | | | | | | ļ | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | <u></u> | | | <u> </u> | | <u> </u> | | <u> </u> | | |
| CHAIN OF POSSESSION Relinquished By | Date/Time | Sign/Print ごろら Received By | Date/Ti | -7.121 | Hold all V | | | C until proje | ct is comple | eted. Then | deliver to | Matrix* S = Soi SE = Sec SO = Soi SL = Stu W = Wa | diment lid idge | | |
| Relinquished By | Date/Ti | 0840 me | | | | | | | | DL = Dru T = Tis WI = Wi | um Solids um Liquids isue ipe | | | | |
| Relinquished By | Date/Time | Received By | I By Date/Time | | | | | | | | | L = Liq V = Ve X = Ot | getation | | |
| LABORATORY Recei | ved By | | Title | | | | | | | Date/Time | | | | | |
| FINAL SAMPLE Dispo | sal Method | | | D | isposed By | | | | | Date/Time | | | | | |

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| Bechtel Hanford, | Inc. | СН | Page 1 of 1 Data Turnaround Priority | | | | | | | | | | |
|---------------------------------------------------|------------------------------------------------|-------------------------------------------------|----------------------------------------|------------------|------------------------------------------|--------------|-------------|--------------------|--------------|--------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------|
| Collector | · · · · · · · · · · · · · · · · · · · | | Company Contact | ····· | | | | Telephone | • | | 2 | | |
| Collector A. CIZZC | B. Kekik | سكن | C. D. Wittreich | | | | | (509) 372 | 2-9315 | | <u>. </u> | Normal | |
| Project Designation 200-UP-1 IRM Implemen | tation Sampling - | Pound 3 | Sampling Location 200 West | | | | | SAF No. 896-003 | | | | | - |
| Ice Chest No. | tation sampling - | nound 3 | Field Logbook No. | | ** | | ····· | 1 | f Shipment | | • | | |
| | | | EF4 113 | 35 | | • | | Hand Deli | | | | | |
| Shipped To | | · · · · · · · · · · · · · · · · · · · | Offsite Property No. | | | | | 1 | ing/Air Bill | No. | | | |
| Frank Gustafson | | | NA | | · | | | NA | | | | | |
| Possible Sample Hazards | /Remarks | | Preservation | None | | | <u> </u> | | | | | | |
| · | | | Type of Container | P/G | | | | | | | | | |
| | | | No. of Container(s) | 1 | | | | | | | | | |
| Special Handling and/or Maintain samples betwe | | | Volume | 20mL | | | | | | | | | |
| | AMPLE ANALYSI | s | | Total Uranium | | | | | | | | | |
| Sample No. | Matrix* | Date Sampled | Time Sampled | | 1. · · · · · · · · · · · · · · · · · · · | | | | <u> </u> | I | | | |
| 394 474 20 BO G Z T 4 | w | 1.3.46 | 1345 | ۶ | | | | | | | | | |
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| | | | | | | | | | | | | | • |
| CHAIN OF POSSESSION | | Sign/Print I | | | Hold all | | n samples a | | ntil project | is complete | . Then | Matrix* | |
| Relinquished By Relinquished By Relinquished By | Date/Time Suffice of the Date/Time Date/Time | Received By Received By Received By Received By | Date/Til | 0840 | deliver sa | amples to Fr | ank Gustafs | on. | | | | SE = Sediment SO = Solid SL = Studge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue | |
| Relinquished By | Date/Time | Received By | Date/Tid | me | | | | | | | | WI = Wip L = Liqu V = Veg X = Oth | iid etation |
| LABORATORY Reco | · | | • | | ···· -· -· · · | C | ate/Time | | | • | | | |
| | osal Method | | Dis | posed By | | | | | ate/Time | | · · · · · | | |

| Bechtel Hanford, Inc | : . | СН | AIN OF CUSTO | DY/SAN | 1PLE A | NALYSI | S REQU | JEST | | | Page 1 of 1 Data Turnaround ☐ Priority | | | | |
|-----------------------------------------------------------------|---------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------|-------------------------|--------------|----------------------|----------------|------------|-----------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------|--|--|
| Ollector A. Rizzo | 13. FE | hitere. | Company Contact C. D. Wittreich | | | | | Telephor (509) 37 | | | | ☐ Priority ■ Normal | | | |
| roject Designation O0-UP-1 IRM Implementat | | - | Sampling Location 200 West | | | | | SAF No. B96-003 | | | | | | | |
| e Chest No. | | | Field Logbook No. | 5 | | | | Hand De | | | | | | | |
| hipped To uane Jacques | | | Offsite Property No. | | | | | Bill of La | iding/Air Bill | No. | | | | | |
| ossible Sample Hazards/R | emarks | | Preservation | нсі | | | | | | | | | | | |
| | | | Type of Container | Gs | | | | | | | | | | | |
| | | | No. of Container(s) | 1 | | | | | | | | | | | |
| pecial Handling and/or Sta Asintain samples between | - | | Volume | 40mL | | | | | | | | | | | |
| SAI | MPLE ANALYSIS | | | VOA - TCL | | | | | | | | | | | |
| Sample No. | Matrix " | Date Sampled | Time Sampled | 64 50 E | | | .po 3 % 1.4% | | | 1 | | Page 18 Julius | Superior Free | | |
| 294, ~ 9.23 10 GET5 | w | 1.9.96 | 15/0 | 8 | | | | | | | | | | | |
| 30 NA | w | | | | | | | | | | | | <u> </u> | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| CHAIN OF POSSESSION | | Sign/Print | | | Hold all | L INSTRUCT VOA sampl | | ·C until pro | ject is comp | leted. The | n deliver to | Matrix* S = Soil SE = Sec | <u></u> | | |
| Relinquished By Relinquished By Relinquished By Relinquished By | | Received By | Buhlten Date/Till Buhlten Date/Till | 3-96 3-96 0840 | Duane . | Jacques. | | | | | | SO = Soli SL = Stud W = Wa O = Oil A = Air DS = Dru DL = Dru T = Tis | lid idge ater um Solids um Liquids | | |
| Relinquished By | Date/Time | Received By | Date/T | ime | _ | | | | | | | WI = Wil L = Liq V = Ve X = Otl | quid egetation | | |
| LABORATORY Recei | ved By | | Title | | | | | | | Date/Time | | | | | |
| FINAL SAMPLE Dispo | | D | isposed B | У | | | | Date/Time | | | | | | | |
| OISFOSHION . | | | | | | ····· | | | · | | | | | | |

| Bechtel Hanford, | Inc. | СН | AIN OF CUSTO | DY/SAN | IPLE AI | NALYSI | S REQU | EST | · | | Data Turna | Page 1 of 1 | | |
|---------------------------------------------------|---------------------------------------|-------------------------------------|----------------------------------|---------------------------------------------|------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|-------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------|--|
| ollector | | | Company Contact | | | · | ···· | Telephoni | <u></u> . | | L | Priority | | |
| A. R. 720 | /B. Feh | ול בילו | C. D. Wittreich | | | | | (509) 372 | | | • | Normal | | |
| roject Designation | 1-6-7 | 155-165 | Sampling Location | | | | | SAF No. | | | <u> </u> | | | |
| 00-UP-1 IRM implemen | ntation Sampling - F | Round 3 | 200 West | | | | | 896-003 | | | | | | |
| e Chest No. | | | Field Logbook No. | 3(| | | | Method o Hand Deli | f Shipment vered | | | | | |
| hipped To rank Gustafson | | | Offsite Property No. | | | | | Bill of Lac | ing/Air Bill N | No | | | | |
| ossible Sample Hazard | s/Remarks | | Preservation | None | | | | | | | | | | |
| | | | Type of Container | P/G | | | | | | | | | | |
| | | | No. of Container(s) | 1 | | | | | \ <u></u> | | | | | |
| ipecial Handling and/or Asintain samples betwe | | | Volume | 20mL | | | | | | | | | | |
| \$ | SAMPLE ANALYSIS | 3 | | Total Uranium | | | | | | | | | | |
| Sample No. | Matrix* | Date Sampled | Time Sampled | W. 2 1 1 1 | \ | Less Barrier | Cara a a ser a como de la como de Cara a como de la como | rais Z | 1 5440 abossii | | | | | |
| 7.994. W4.23 10 GZT6 | w | 1-2-96 | 1510 | 6 | | | | 1 | | | | | | |
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| | | | | | | | | | | | | | <u> </u> | |
| CHAIN OF POSSESSIO | | Sign/Print | | <u> </u> | Hold all T | INSTRUCTI | m samples : | at 4701-C | until project | is complete | e. Then | Metrix" | l | |
| <i>X / 1/ ///_// ~</i> | Date/Time Date/Time Date/Time | Received By Received By Received By | Birthton 1/3 D. Jacque Dateri | me 0750 /// me -3-96 0840 me | deliver sa | mpies to Fr | ank Gustar | on. | | | | SE = Sediment SO = Solid SL = Studge W = Water O = Oil A = Air DS = Drum Solids DL = Drum Liquids T = Tissue | | |
| Relinquished By | Date/Time | Received By | Date/Ti | me | 1 | | | | | | | WI = Wig L = Liq V = Ve X = Oth | uid getation | |
| LABORATORY Re- | ceived By | | Title | , *** | | | | | Ç | Date/Time | | | | |
| FINAL SAMPLE DIS | Disposal Method Disposed By Date/Time | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | |

| Bechtel Hanford, Inc | :. | СН | AIN OF CUSTO | DY/SAN | 1PLE A | NALYSIS | S REQU | EST | | | Page 1 of 1 Data Turnaround Priority | | | | |
|--------------------------------------------------------|-----------------------------------------|---------------------------------------|-----------------------------------|--------------------------------------------------|--------------|---------------|---------------------------------------|----------------------|--------------------|----------------------------------------------------------------------|----------------------------------------|------------------|---------------------------------------|--|--|
| Collector | D | , | Company Contact | , , | | | | Telephon | | | | Normal | | | |
| A. RIZZe / | B KCM | 1 berg | C. D. Wittreich Sampling Location | . ,- | | | | (509) 37: SAF No. | 2-9315 | | <u> </u> | | | | |
| Toject Designation 200-UP-1 IRM Implemental | ion Sampling - F | Round 3 | 200 West | | | | | B96-003 | | | | | • | | |
| ce Chest No. | | · · · · · · · · · · · · · · · · · · · | Field Logbook No. | | | | | Method o | f Shipment | | | | | | |
| | | | E.F.C. 11 | 35 | | | | Hand Delivered | | | | | | | |
| Shipped To | | | Offsite Property No. | | | | | | ling/Air Bill | No. | | | - | | |
| Duane Jacques Possible Sample Hazards/R | | | NA | | | | T | NA | | | 1 | | | | |
| -ossible Sample Hazards/N | ernarks | | Preservation | HCI | İ | | | | | | 1 | | | | |
| | | | Type of Container | Gs | | | | | | | | | | | |
| | | | No. of Container(s) | 1 | | | | | | | | | | | |
| Special Handling and/or St Maintain samples between | | | Volume | 40mL | | | | | | | | | | | |
| SA | MPLE ANALYSIS | 3 | | VOA - | | | | | | | | | | | |
| Sample No. | Metrix* | Date Sampled | Time Sampled | | <u></u> | e de la compa | i i i i i i i i i i i i i i i i i i i | | | <u> </u> | | Contrary. | e e e e e e e e e e e e e e e e e e e | | |
| 30 GZT7 34 | W | 1.9.96 | 1400 | صز | | | | | | | | | | | |
| 3062T7 | | NA | | <u> </u> | <u> </u> | | | | | | | | | | |
| | | | | | | | | | | <u> </u> | | | | | |
| | · | | | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | | | | | |
| | | | | ļ | <u> </u> | | <u> </u> | | | <u> </u> | | | <u> </u> | | |
| | | | | 1 | | | | | | | | | | | |
| CHAIN OF POSSESSION | | Sign/Print | Names | | | L INSTRUCTI | | | <u> </u> | | | Matrix* | · · · · · · | | |
| Relinquished By Relinquished By Relinquished By | me 0750 7-96 me/96 3840 ime | • | VOA sample Jacques. | s at 4701-(| C until proj | ect is compl | eted. Ther | deliver to | T = Tis WI = Wi | diment iid dge star um Solids um Liquids sue pe | | | | | |
| Relinquished By | Date/Time | Received By | · | | | | | | ····· | | | V - Ve X - Ot | getation | | |
| LABORATORY Recei | Title | | | | | | | Date/Time | | | | | | | |
| FINAL SAMPLE Dispo | sal Method | | D | isposed By | ′ | | | | Date/Time | | | | | | |

| Bechtel Hanford, Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | | | | | | | |
|-----------------------------------------------------------------------------------|------------------------------------------|------------------------------|---------------------------------------|----------|------|--------------------|----------------|-----------|-------------|-------------------------------------------------------------------------------------|-------------------------------|
| ollector | Company Contact | | | | | Telephone | | | | ☐ Priority ■ Normal | |
| A. Rizzo/ B. Fohlber | C. D. Wittreich | | | | | (509) 372 | -9315 | | | Normal | |
| roject Designation 00-UP-1 IRM Implementation Sampling - Round 3 | Sampling Location 200 West | | | | | SAF No. B96-003 | | | | | • |
| ce Chest No. | Field Logbook No. | | | | | | Shipment | | · | | |
| | EFT. 1135 | - | | | | Hand Deli | | | | | |
| hipped To | Offsite Property No. | | · · · · · · · · · · · · · · · · · · · | | ···· | Bill of Lad | ing/Air Bill I | Vo. | | | <u> </u> |
| rank Gustafson | NA | | | | · | NA | | | | | |
| 'ossible Sample Hazards/Remarks | Preservation | None | | | | | | | | | <u> </u> |
| | Type of Container | P/G | | | | | | | | | |
| | No. of Container(s) | 1 | | | | | | | | 1 | |
| pecial Handling and/or Storage faintain samples between 2°C and 6°C. | Volume | 20mL | | | | | | | | | |
| | | Total Uranium | | | | | | | | | |
| SAMPLE ANALYSIS . | | | | | | | | | | | |
| | Sampled Time Sampled | | | | | Section 1 | | | | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | |
| 259. 64. 94 10678 W 1.5 | 396 1400 | ح | | | | | | | | | ļ |
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| | | <u> </u> | <u> </u> | | | | <u> </u> | <u> </u> | | | |
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| | | | | | | | | | | | |
| | | | | | | | | | | | |
| CHAIN OF POSSESSION | Sign/Print Names | | | INSTRUCT | | | | | | Matrix* | |
| telinquished By Date/Time 0750 PENDO R Tahlan 013 45 Selinquished R 2 Date/Time | Received By CRC Date/T |)ate/Time // 3/16 064D | | | | | | | e. Then | S = So SE = Se SO * So SL = Sil W = Wi O = Oil A = Air DS = Dr | diment lid udge ater |
| | | | | | | | | | | T = Tis | ssue ipe |
| lelinquished By Date/Time | Received By Date/T | ime | | | | | | | | V - Ve | getation |
| LABORATORY: Received By | Title | ·· | | | | i | 1 | Date/Time | | | · |
| FINAL SAMPLE Disposal Method DISPOSITION | SAMPLE Disposal Method | | | | | | E | Date/Time | | | |

| Bechtel Hanford, Ir | oc. | СН | IAIN OF CUSTO | | Page 1 of 1 | | | | | | | | | | |
|-------------------------------------------------------------------------------------|------------------------|---------------------------------------|------------------------------------|------------------|--------------|-------------|--------------|--------------------------------------------|---------------|-------------------------------------------------------|-------------------|-----------------|-------------------|--|--|
| - <u>-</u> | | | ·- | | | | | · | | | | ☐ Priority | | | |
| Collector A. Rizza | 3. Finite | _ | Company Contact C, D. Wittreich | | | | | Telephone (509) 372 | | • | | Normal | | | |
| Project Designation * | | | Sampling Location | | | | | SAF No. | | | I | | | | |
| 200-UP-1 IRM Implements | ition Sampling - | Round 3 | 200 West | | | | | B96-003 | | | | | | | |
| ice Chest No. | | | Field Logbook No. | | | | | | f Shipment | | | | | | |
| Shipped To | | | SFC-1135 Offsite Property No. | | | | | Hand Delivered Bill of Lading/Air Bill No. | | | | | | | |
| Frank Gustafson | | | NA | | | | | NA Lac | mig/Air oill | 140. | | | , | | |
| Possible Sample Hazards/l | Remarks | ······ | Preservation | None | | | | | | | | | | | |
| | | · · · · · · · · · · · · · · · · · · · | Type of Container | P/G | - | | | | | | | | | | |
| | | | No. of Container(s) | 1 | | | | | | | | | | | |
| Special Handling and/or S Maintain samples between | | - H | Volume | 20mL | | | | | | | | | | | |
| | MPLE ANALYSI | s | <u> </u> | Total Uranium | | | | | | | | | | | |
| Sample No. | Matrix * | Date Sampled | Time Sampled | | | | | <u> </u> | | | | | <u> </u> | | |
| BOGZB6 | w | 12.29.85 | 1035 | × | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
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| | | | | | | - | | | | | | | | | |
| CHAIN OF POSSESSION | | Sign/Print | | | Hold all 1 | | ım samples a | | until project | is complete | . Then | Matrix* S = Soi | | | |
| Relinquished By Relinquished By Relinquished By Relinquished By Relinquished By | B. B. M. The Date/Ti | me /236 2:27-: | deliver sa | emples to F | rank Gustafs | son. | | | | SE = Sec SO = Sol SL = Slu W = Wa O = Oil | id dge iter | | | | |
| Relinquished By | /- /-3-96 Date/Time | Received By | Date/Time | | | | | | | | | T = Tis | ım Liquids sua | | |
| Relinquished By | Date/Time | Received By | Date/Ti | me | 1 | | | | | WI = Wipe L = Liquid V = Vegetation X = Other | | | | | |
| LABORATORY Recei | Title | | 1 | | | · · | E | Date/Time | | | | | | | |
| FINAL SAMPLE Dispo | sal Method | | Di | sposed By | | | . | | Date/Time | | | <u> </u> | | | |

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| Bechtel Hanford, In- | c. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST Data Turn | | | | | | | | | | | | |
|--------------------------------------------------------|---------------|-----------------------------------------------------|------------------------------------|--------------------------------------------|--------------|-----------|---------------------|-----------------------------|--------------|---------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--|
| Collector Rizzo / | B. Fehil | KR 5 | Company Contact C. D. Wittreich | | | | | Telephone (509) 372 | | | I | Priority Normal | | |
| Project Designation 200-UP-1 IRM Implementa | | • | Sampling Location 200 West | | | | | SAF No. B96-003 | | | | | با | |
| Ice Chest No. | | | Field Logbook No. | 135 | | | | Hand Deli | | | | | | |
| Shipped To Duane Jacques | | | Offsite Property No. NA | | | | | Bill of Lading/Air Bill No. | | | | | | |
| Possible Sample Hazards/R | emarks | | Preservation | HCI | | | | | | | | | | |
| | ····· | | Type of Container | Gs | | | | | | | | | | |
| | | | No. of Container(s) | 1 | | | | | | | | | | |
| Special Handling and/or St Maintain samples between | | | Volume | 40mL | | | | | | | | | | |
| SAI | MPLE ANALYSIS | 3 | | VOA - TCL | | | | | | | | | | |
| Sample No. | Matrix * | Date Sampled | Time Sampled | [p] | <u> </u> | | | | <u> </u> | | | | | |
| BOGZB7 | w | 12.29.45 | 1035 | > | | | | | | | | | | |
| BOGZC3 | w | 12.2955 | 0.7% | 74 | | ļ | | | | | | | | |
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| | | | | | | | | | <u> </u> | ļ | | | | |
| | | | | | | <u> </u> | | | | | | | | |
| CHAIN OF POSSESSION | | Sign/Print | Names | <u> </u> | | INSTRUCTI | IONS s at 4701-0 | until proje | ct is comple | eted. Then | deliver to | Matrix* | | |
| Relinquished By FOR Relinquished By Relinquished By | Date/Time 💪 | Kirlls | Date/Ti |) 2-27-95 me -3 - 7/- 08402 me | Duane Ja | • | 3 3(475) 1-0 | unu proje | oc is compr | , , , , , , , , , , , , , , , , , , , | GONVOI (O | S = Soil SE = Sed SO = Soil SL = Stuc W = Wat O = Oil A = Air DS = Dru DL = Dru T = Ties W = Wip L = Liq V = Vec X = Oth | d lge er m Solide m Liquids ue e id id etation | |
| LABORATORY Receiv | /ed Bγ | | Title | | .] | | | | į | Date/Time | ······································ | | <u> </u> | |
| FINAL SAMPLE Dispo | sal Method | | | Di | sposed By | | | | C | Date/Time | | | | |

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